

Protein CYR61 (Cyr61) Recombinant Protein | Cyr61 recombinant protein

Recombinant Mouse Protein CYR61 (Cyr61)

CATALOG #
AAA18442

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

Protein CYR61 (Cyr61); Recombinant Mouse Protein CYR61 (Cyr61); Cyr61 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	25-379. Full Length of Mature Protein
Sequence	TCPAACHCPL EAPKCAPGVG LVRDGC GCCK VCAKQLNEDC SKTQPCDHTK GLECNFGASS TALKGICRAQ SEGRPCEYNS RIYQNGESFQ PNCKHQCTCI DGAVGCIPLC PQELSLPNLG CPNPRLVKVS GQCCEEVWCD EDSIKDSLDD QDDLGLDAS EVELTRNNEL IAIGKGSSLK RLPVFGTEPR VLFNPLHAHG QKCIVQTTSW SQCSKSCGTG ISTRVTNDNP ECRLVKETRI CEVRPCGQPV YSSLKKGKKC SKTKKSPEPV RFTYAGCSSV KKYRPKYCGS CVDGRCCTPL QTRTVKMRFR CEDGEMFSKN VMMIQSCKCN YNC PHPNEAS FRLYSLFNDI HKFRD
Species	Mus musculus (Mouse)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Cyr61 recombinant protein	Promotes cell proliferation, chemotaxis, angiogenesis and cell adhesion. Appears to play a role in wound healing by up-regulating, in skin fibroblasts, the expression of a number of genes involved in angiogenesis, inflammation and matrix remodeling including VEGA-A, VEGA-C, MMP1, MMP3, TIMP1, uPA, PAI-1 and integrins alpha-3 and alpha-5. CYR61-mediated gene regulation is dependent on heparin-binding. Down-regulates the expression of alpha-1 and alpha-2 subunits of collagen type-1. Promotes cell adhesion and adhesive signaling through integrin alpha-6 beta-1, cell migration through integrin alpha-1 beta-5 and cell proliferation through integrin alpha-v beta-3
Product Categories/Family for Cyr61 recombinant protein	Immunology
References	"Adhesion of human skin fibroblasts to Cyr61 is mediated through integrin alpha 6beta 1 and cell surface heparan sulfate proteoglycans." Chen N., Chen C.-C., Lau L.F. J. Biol. Chem. 275:24953-24961(2000)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6753594
NCBI GeneID	16007
NCBI Accession #	NP_034646.1
NCBI GenBank Nucleotide #	NM_010516.2
UniProt Accession #	P18406
Molecular Weight	41.1 kDa
NCBI Official Full Name	protein CYR61
NCBI Official Synonym Full Names	cysteine rich protein 61
NCBI Official Symbol	Cyr61
NCBI Official Synonym Symbols	CCN1; Igfbp10; AI325051
NCBI Protein Information	protein CYR61
UniProt Protein Name	Protein CYR61
UniProt Gene Name	Cyr61
UniProt Synonym Gene Names	Ccn1; Igfbp10; IBP-10; IGF-binding protein 10; IGFBP-10

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.